



# MFR-2200 Series

**Dual Simultaneous Soldering & Rework System**

*Systems Guide & MFR Range Comparison*

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# System Cross Reference Guide

New MFR Systems	Description	Power Supply	Hand-piece(s) Included	Workstand(s) Included	Existing MFR Systems
MFR-2210	Dual output, one cartridge soldering hand-piece, workstand	MFR-PS2200	MFR-H1-SC	WS1	MFR-SRC
MFR-2220	Dual output, one tip soldering hand-piece, workstand	MFR-PS2200	MFR-H2-ST with MFR-CA2	WS1	MFR-PST
MFR-2240	Dual output, one precision tweezers hand-piece, workstand	MFR-PS2200	MFR-H4-TW	MFR-WSPT	MFR-PTW
MFR-2241	Dual output, one precision tweezers, one cartridge soldering hand-piece, work stands for each hand-piece	MFR-PS2200	MFR-H4-TW & MFR-H1-SC	MFR-WSPT & WS1	MFR-PTZ
MFR-2211	Dual output, two cartridge soldering hand-pieces	MFR-PS2200	MFR-H1-SC (2)	WS1 (2)	None
MFR-2222	Dual output, two tip soldering iron hand-pieces	MFR-PS2200	MFR-H2-ST (2) with MFR-CA2	WS1 (2)	None

# System Configurations & Part Numbers

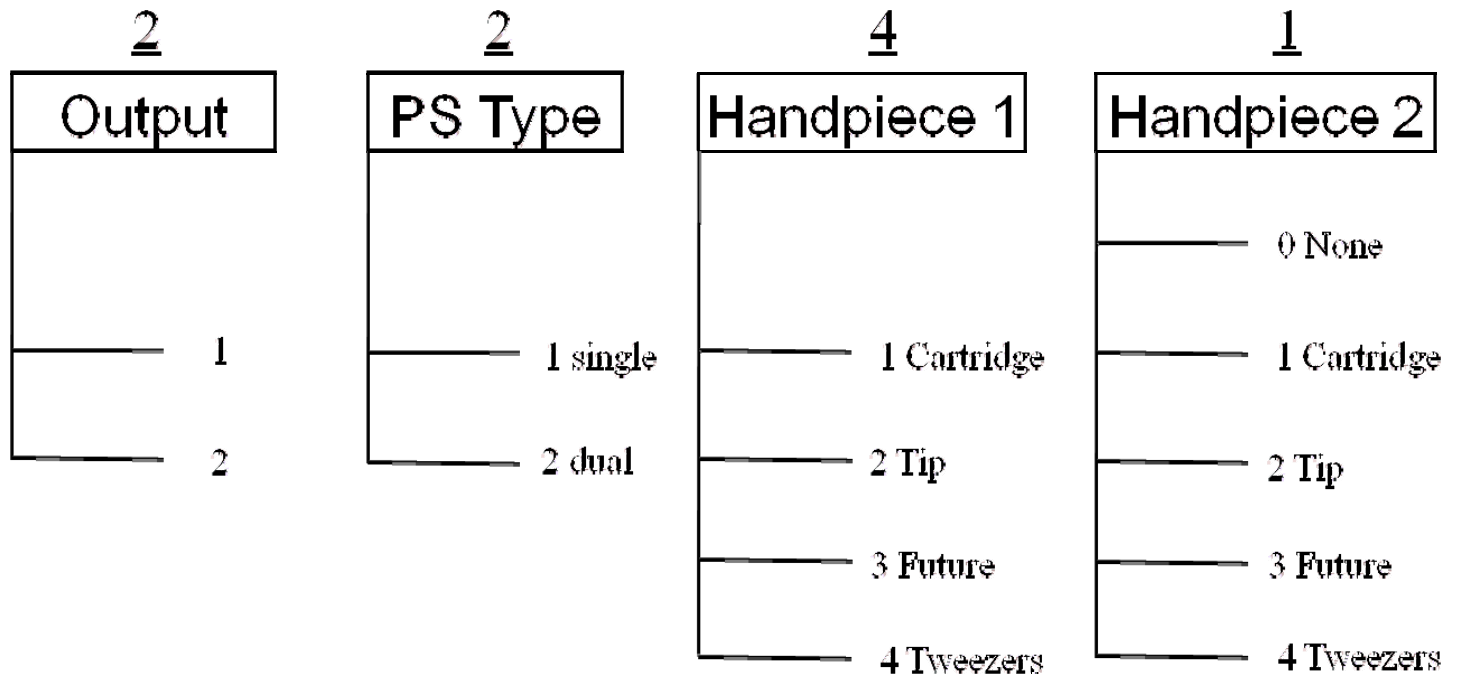
## 6 NEW SYSTEMS

MFR-2210  
MFR-2220  
MFR-2240  
**MFR-2241**  
MFR-2211  
MFR-2222

*Example*

### **MFR-2241**

MFR-2xxx = 2 Outputs  
MFR-x2xx = 2 Dual, no pump  
MFR-xx4x = 4 Tweezers  
MFR-xxx1 = 1 Cartridge



# Power Supply Comparison



## MFR-PS1K (Existing)

- ▶ Power: 50W
- ▶ Output: dual *switched*
  - ▶ Two position switch- left or right
  - ▶ Markings on front panel: none
- ▶ Sleep function: “Auto-Standby”, user selectable to one hour
- ▶ Auto-off: user adjustable to 2.5 hours

## MFR-PS2200 (New)

- ▶ Power: 60W
- ▶ Output: dual *simultaneous*
  - ▶ Three position switch: left, center (both) or right
  - ▶ Markings on front panel: “I || I”
- ▶ Sleep function: via Auto Sleep Workstands
- ▶ Auto-Off: fixed at two hours

# Hand-piece Guide

New Hand-piece	Existing Hand-pieces	Description	Tips & Cartridges
MFR-H1-SC	MFR-HSR	<u>H</u> and-piece, <u>s</u> oldering <u>c</u> artridge	SFP & RFP
MFR-H2-ST	MFR-HPS	<u>H</u> and-piece, <u>s</u> oldering <u>t</u> ip	SFV
MFR-H4-TW	MFR-HPT	<u>H</u> and-piece, <u>t</u> weezers <u>c</u> artridge	TFP

## Design Change of New Hand-pieces

The new hand-pieces, MFR-H1-SC, MFR-H2-ST & MFR-H4-TW, do not contain the *motion switch* which detects movement and activates the “Auto-Standby” or “Auto-Off” modes in the existing model, MFR-PS1K.

## Backwards Compatibility: New Hand-pieces to Old Power Supply

The new hand-pieces can be used with the old power supplies (MFR-PS1K) but MUST also include an Auto Sleep Workstand (WS1). NOTE: When the new hand-pieces are used with the MFR-PS1K, the “Auto-Off” function will not function. **WHILE THE NEW HAND-PIECES CAN BE USED WITH THE EXISTING POWER SUPPLY (MFR-PS1K), IT IS NOT RECOMMENDED.**

## Forward Compatibility: Old Hand-pieces to New Power Supply

The new power supply (MFR-PS2200) will operate all of the old hand-pieces. **HOWEVER, the old hand-pieces must use Auto Sleep Workstands to retain the "sleep" function.**

# Upgrade Kits

New Upgrade Kit	Existing Upgrade Kit	Hand-piece	Workstand
<b>MFR-UK1</b>	MFR-SRC-AD	<b>MFR-H1-SC: hand-piece, solder cartridge</b>	<b>WS1: Sleeper workstand, black cradle</b>
<b>MFR-UK2</b>	MFR-PST-AD	<b>MFR-H2-ST: hand-piece, solder tip</b>	<b>WS1: sleeper workstand, black cradle</b>
<b>MFR-UK4</b>	MFR-PTZ-AD	<b>MFR-H4-TW: hand-piece, precision tweezers</b>	<b>MFR-WSPT: workstand, black cradle</b>

Upgrade Kits allow the user to add hand-pieces and workstands as needed. There is no financial “penalty” for adding to an existing system.